

Description of a New Species of Thysanura (Campodeidae) from the Hawaiian Islands

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(Presented by Mr. Van Zwaluwenburg at the meeting of May 4, 1933.)

Among some small Arthropods, received for determination by Mr. Van Zwaluwenburg of the Hawaiian Sugar Planters' Association Experiment Station, I have found some specimens of the Thysanuran Campodeidae, which I describe as a new species of a new subgenus ascribed to *Plusiocampa* Silv. and I take pleasure in naming it after Dr. R. C. L. Perkins, the first greater student of the Hawaiian Insects.

I remember that this is the second species of *Campodeidae* known until today from the Hawaiian Islands, the other being *Lepidocampa giffardii* Silv.,* which I collected near Hilo.

Family CAMPODEIDAE

Genus PLUSIOCAMPA Silv.

Subgenus Microcampa nov.

This subgenus differs from subgenus *Litocampa* Silv. for the shortest posterior macrochaetae of meso- and metanotum; for the legs destitute of macrochaeta on the dorsal part of femur; for tergites of abdomen lacking of macrochaetae from the first to the seventh.

Typus: the species here described.

Plusiocampa (Microcampa) perkinsi sp. n. (Figs. I-II).

♀: Corpus albicans setis dorsualibus minoribus brevissimis mesonoti μ 12 longis, simplicibus, macrochaetis vix vel parum barbatis.

Caput supra setis brevissimis parum numerosis, setis frontalibus anticis medianis aliquantum longioribus vix barbatis, setis occipitalibus vix barbatis; antennae 16-articulatae, articulis primo et secundo setis paucioribus brevioribus partim vix barbatis, articulo tertio setis brevioribus et brevibus paucis

* Boll. Lab. di Zool., Portici, vol. 25, pp. 282-285, figs. 4 and 5, 1931.

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integris vel subintegris, trichobotriis consuetis, sensillo apicali externo minimo cylindraceo, macrochaetis brevibus (supra externa mm. 0.04 longa), articulis ceteris, decimo exempli gratia, aliquantum latoribus quam longioribus setis nonnullis brevibus integris vel, proximalibus, apice bifurcato instructis.

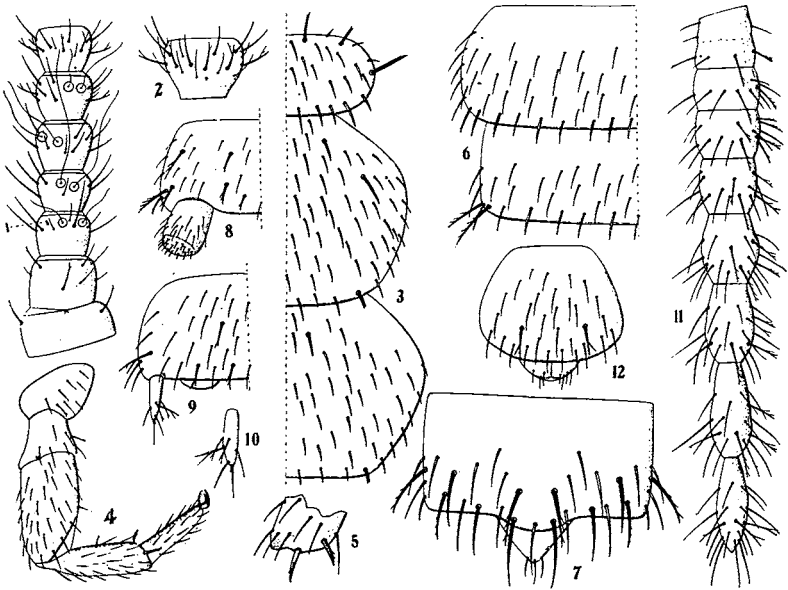


FIGURE I

Plusiocampa (Microcampa) perkinsi: 1. antennae laevae pars proximalis; 2. eiusdem articulus decimus magis ampliatius; 3. thoracis dimidia pars prona; 4. pes paris tertii; 5. eiusdem tibiae apex magis ampliatius; 6. urotergitorum septimi et octavi dimidia pars; 7. urotergitum decimum cum valvula supranali; 8. urosterni primi dimidia pars; 9. urosterni quinti dimidia pars; 10. eiusdem stilus magis ampliatius; 11. cercus dexter pronus; 12. urosternum octavum.

Thorax: Pronotum macrochaetis 3 + 3, quarum submediana brevior est et apice barbulis 1-2 minimis aucta, sublateralis intermedia quam submediana paulum brevior et lateralis quam submediana parum longior, setis marginalibus posticis quam superficiei paulum longioribus et paulum crassioribus; mesonotum macrochaetis 3 + 3, quarum subantica submediana et postica lateralis breviores sunt, subantica sublateralis quam ceterae parum longior; metanotum macrochaetis 2 + 2 (subantica submediana et postica laterali) brevioribus, cetero mesonoto et pronoto simili.

Pedes femore macrochaetis infera distali et marginali antica brevioribus

ramulo minimo auctis, tibia macrochaeta ventrali brevior apice bifurcata, calcaribus sat robustis barbulis 2-3 auctis, tarso setis ventralibus simplicibus, praetarsi unguibus sat arcuatis, supra latiusculis, subtus mediis carinatis, seta proximali externa attenuata, unguium longitudinem attingente.

Abdomen: Tergita 1-7 macrochaetis nullis, setis marginalibus posticis quam superficiei paulum crassioribus et una vel duabus lateralibus barbula vix vel male distincta auctis; tergita octavum et nonum macrochaetis posticis lateralibus supra et infera brevibus (mm. 0.04 longis) barbatis instructa; tergum decimum macrochaetis subposticis breviter barbatis parum robustis 3 + 3 inter sese subaequalibus et posticis 4 + 4 gradatim a submedianis brevioribus.

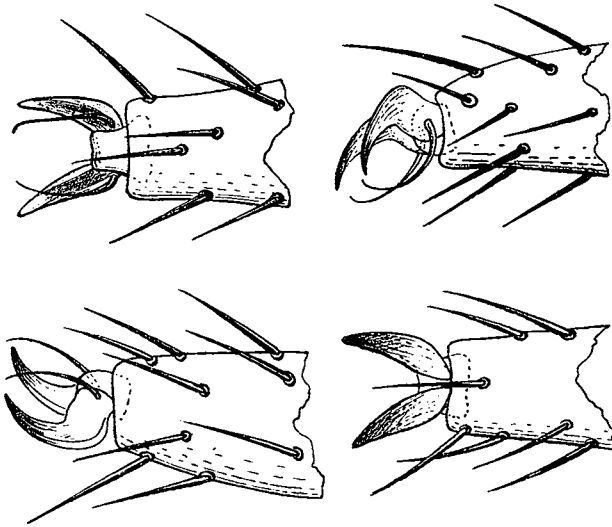


FIGURE II

Pedis tertii paris tarsi apex et praetarsus antice, supra, subtus et postice inspecti.

Urosternum primum macrochaetis 7 + 7, quarum laterales subantica et subpostica breves quam ceterae aliquantum longiores barbatae, submedianae breviores barbulis 1-2 brevissimis auctae, appendicibus lateralibus cylindraceis quam sternum aliquantum brevioribus; urosterna 2-7 macrochaetis 4 + 4, stilis brevioribus seta submediana infera bifurcata, setis duabus prae-medianis apice bifurcata, seta subapicali integra, seta apicali processu basali proximali minimo tantum aucta; urosternum octavum macrochaetis submedianis subposticis 1 + 1 apice bifurcata et ramo interno ramulo minimo aucto.

Cerci breviores 8-articulati, articulis a secundo gradatim usque ad penultimum parum longioribus et usque ad ultimum angustioribus, omnibus

setis nonnullis brevioribus integris et brevibus barbulis 1-4 auctis (articuli tertii seta supera externa mm. 0.04 longa).

Mas ignotus.

Long. corporis ad mm. 1.80, long. antennarum 0.58, pedum paris tertii 0.32, cercorum 0.48.

Habitat. Oahu: Honolulu (Nos. 61, 62, 63).*

* These numbers refer to sugar cane soil samples taken in 1925 as follows: 61 and 62, Keeaumoku St. plots, Honolulu; 63, Alexander St. plots, Honolulu. All samples were to a depth of 9 inches (Van Zwaluwenburg).